



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIBDATASHEET**CONFIRMATION NO. 8554**

Bib Data Sheet

| | | | | |
|-----------------------------|---------------------------------------|--------------|------------------------|---------------------------------|
| SERIAL NUMBER 09/935,083 | FILING DATE 08/21/2001 RULE | CLASS 375 | GROUP ART UNIT 2631 | ATTORNEY DOCKET NO. 70647 |
|-----------------------------|---------------------------------------|--------------|------------------------|---------------------------------|

APPLICANTS

James A. Crawford, San Diego, CA;

** CONTINUING DATA ***** *No* ******* FOREIGN APPLICATIONS ***** *No* *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 10/03/2001

| | | | | | |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|---------------------------|--------------------------------|
| Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature <i>pph</i> Initials | STATE OR COUNTRY CA | SHEETS DRAWING 14 | TOTAL CLAIMS 16 | INDEPENDENT CLAIMS 3 |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|---------------------------|--------------------------------|

ADDRESS

22242
 FITCH EVEN TABIN AND FLANNERY
 120 SOUTH LA SALLE STREET
 SUITE 1600
 CHICAGO , IL
 60603-3406

TITLE

OFDM pilot tone tracking to reduce performance loss due to frequency pulling and pushing

| | | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FILING FEE RECEIVED 355 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|